

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(US-3627974-\$ or US-3735089-\$).did.	USPAT	ADJ	ON	2010/04/10 00:08
S1	1	("20070145028").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/05 18:32
S2	10	((("200138038") or ("1084789")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/05 19:00
S3	7	US-4806735-\$.DID. OR DE-4436084-\$.DID. OR WO-0064620-\$.DID. OR WO-0064620112000-\$.DID. OR WO-9745227-\$.DID. OR WO-9745227121997-\$.DID. OR US-1502288-\$.DID. OR US-2829413-\$.DID. OR DE-10217678-\$.DID. OR US-1476980-\$.DID. OR EP-1084789-\$.DID. OR WO-200138038-\$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/05 19:07
S4	47	"4806735" OR "4436084" OR "0064620" OR "0064620112000" OR "9745227" OR "9745227121997" OR "1502288" OR "2829413" OR "10217678" OR "1476980" OR "1084789" OR "200138038"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/05 19:11
S5	10	((("1084789") or ("200138038")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/09 18:21
S7	313	(219/137.71).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/09 18:24
S10	118	S7 and (welding torch\$2)	US-PGPUB; USPAT	ADJ	ON	2009/02/09 18:25
S11	8	S7 and (two welding torch\$2)	US-PGPUB; USPAT	ADJ	ON	2009/02/09 18:25
S12	3763	welding torch	US-PGPUB; USPAT	ADJ	ON	2009/02/09 18:39
S13	47	S12 and (hose pack)	US-PGPUB; USPAT	ADJ	ON	2009/02/09 18:40
S14	16	((("0023223") or ("4521672") or ("0907118") or ("4973814") or ("0463489") or ("5808885") or ("0737538") or ("0041835") or ("21758913329216")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 07:49

S15	28	((("0023223") or ("4521672") or ("0907118") or ("4973814") or ("0463489") or ("5808885") or ("0737538") or ("0041835") or ("2175891") or ("3329216"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 07:50
S16	34	((("4806735") or ("3746833") or ("4436084") or ("0903910") or ("2261834") or ("2393199") or ("4031868"))).PN. or ((62/286675) or (60/184475) or (58/168477)).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 08:02
S17	40	((("0100474") or ("7501140") or ("2506636") or ("1502288") or ("1179583") or ("0423053") or ("7502040") or ("4088866"))).PN. or ((50/119739) or (58/012109)).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 08:25
S18	14	((("0983816") or ("2002667") or ("0320397"))).PN. or (19/738785).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 08:34
S19	9	((("2000064620") or ("2000000106"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 08:38
S20	35	DE-4436084-\$.DID. OR WO-0064620-\$.DID. OR US-4274700-\$.DID. OR WO-9745227-\$.DID. OR US-2880097-\$.DID. OR DE-29780371-\$.DID. OR US-1502288-\$.DID. OR US-7501140-\$.DID. OR DE-2506636-\$.DID. OR US-2261834-\$.DID. OR JP-1179583-\$.DID. OR JP-50119739-\$.DID. OR JP-58012109-\$.DID. OR US-7502040-\$.DID. OR US-4088866-\$.DID. OR US-4806735-\$.DID. OR US-1313232-\$.DID. OR US-2829413-\$.DID. OR DE-10217678-\$.DID. OR WO-03089185-\$.DID. OR EP-1497071-\$.DID. OR US-1476980-\$.DID. OR DE-2448620-\$.DID. OR US-2248905-\$.DID. OR US-1022954-\$.DID. OR JP-1257372-\$.DID. OR JP-57055512-\$.DID. OR US-7314537-\$.DID. OR US-4143260-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 08:46
S22	2	("0064620").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 08:54
S23	8	US-2131522-\$.DID. OR DE-4436084-\$.DID. OR WO-0064620-\$.DID. OR WO-9745227-\$.DID. OR DE-10217678-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 09:01

S24	35	DE-4436084-\$.DID. OR WO-0064620-\$.DID. OR US-4274700-\$.DID. OR WO-9745227-\$.DID. OR US-2880097-\$.DID. OR DE-29780371-\$.DID. OR US-1502288-\$.DID. OR US-7501140-\$.DID. OR DE-2506636-\$.DID. OR US-2261834-\$.DID. OR JP-1179583-\$.DID. OR JP-50119739-\$.DID. OR JP-58012109-\$.DID. OR US-7502040-\$.DID. OR US-4088866-\$.DID. OR US-4806735-\$.DID. OR US-1313232-\$.DID. OR US-2829413-\$.DID. OR DE-10217678-\$.DID. OR WO-03089185-\$.DID. OR EP-1497071-\$.DID. OR US-1476980-\$.DID. OR DE-2448620-\$.DID. OR US-2248905-\$.DID. OR US-1022954-\$.DID. OR JP-1257372-\$.DID. OR JP-50074550-\$.DID. OR JP-57055512-\$.DID. OR US-7314537-\$.DID. OR US-4143260-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 09:07
S25	2	("7138602").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 11:23
S26	9	((("2000064620") or ("2000000106"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 11:33
S27	313	(219/137.71).CQLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 16:57
S28	2	S27 and (cold metal transfer welding process)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/11 16:57
S29	11	(cold metal transfer welding process)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/11 16:59
S30	18	(cold metal transfer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/11 17:09
S31	12	(cold metal transfer welding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/11 17:39

S32	10	(CMT welding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/11 17:39
S33	3	(cold metal welding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/11 18:21
S34	8	((("6927360") or ("6831251") or ("6791062") or ("6710297"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/11 18:44
S35	14666	(219/130.33,121.6,110,50,121.64,647,56,56.1,136,137R,121.63,121.11,59.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 11:40
S37	4	S35 and (cold metal trasfer welding process or CMT welding or cold-metal transfer or cold-metal welding or cold metal welding process or CMT)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 11:43
S38	8	218/101,	US-PGPUB; USPAT	ADJ	ON	2009/02/12 11:49
S41	2407	(228/101,144,214,118,112.1,114.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/12 12:32
S42	3639	(228/101,144,214,118,112.1,114.5).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 12:32
S44	2900	S42 and (cold metal trasfer welding process or CMT welding or cold-metal transfer or cold-metal welding or cold metal welding process or CMT)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 13:32

S45	12074876	(cold metal transfer welding process or CMT welding or cold-metal transfer or cold-metal welding or cold metal welding process or CMT)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 13:34
S46	32610	(cold metal transfer welding process or CMT welding or cold-metal transfer or cold-metal welding or cold metal welding process or CMT)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/02/12 13:34
S47	6339	(cold metal transfer welding process or CMT welding or cold-metal transfer or cold-metal welding or cold metal welding process or CMT)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:34
S49	2	S47 and (CMT welding process)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:35
S50	10	S47 and (CMT welding)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:36
S51	3	S47 and (cold-metal transfer welding)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:40
S52	3	S47 and (cold-metal transfer welding process)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:41
S53	3	S46 and (cold metal welding)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:42

S55	1413	(164/1,47,55.1,57.1,54).CCLS.	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 13:53
S63	10	CMT welding	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:55
S64	763054	CMT welding	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 13:55
S65	359208	S64 and (cold metal)	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 13:57
S66	758742	S64 and (cold metal welding)	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2009/02/12 13:57
S67	3	S64 and (cold metal welding)	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 13:58
S68	8	"0138034"	US-PGPUB; USPAT; USOCR, FPRS; EPO, JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 16:18
S69	1804	(219/130.01-130.51).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 17:17
S71	3	"L16" and (cold metal transfer welding or CMT or cold-metal transfer welding)	US-PGPUB; USPAT	ADJ	ON	2009/02/17 17:19
S72	208	"L1" and (cold metal transfer welding or CMT or cold-metal transfer welding)	US-PGPUB; USPAT	ADJ	ON	2009/02/17 17:24

S75	56	"L4" and (CMT)	US-PGPUB; USPAT	ADJ	ON	2009/02/17 17:25
S81	9	(cold metal transfer or cold-metal transfer or cold metal transfer welding or cold-metal transfer welding)	US-PGPUB; USPAT	ADJ	ON	2009/02/17 17:31
S85	1	"20020148113"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/12 08:15
S86	1	"6895667"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/12 08:16
S87	5	"6469277"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/12 08:21
S88	4	"0134336"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/12 08:25
S89	1	"20020190045"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/12 08:36
S90	25	((("20020190045") or ("9745227") or ("4143260") or ("3746833") or ("6627839") or ("6683278") or ("6469277") or ("4088866") or ("4806735") or ("6570132") or ("20020190045") or ("6895667"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/12 08:54
S91	4011	"L25" and (weld\$4 or apparatus or torch\$2 or control\$3 or source\$2 or power\$2 or wire\$2 feeder\$2 or independen\$3 or process\$2 or cold metal or device\$2 or synchroni\$5 or MAG or MIG or WIG or plasma\$2 or laser\$2 oe electrode\$2 or separate\$4 or current\$2 or gas\$2 or direct\$4 or material\$2 or diameter\$2 or different\$2 or time\$2 or droplet\$2 or detach\$5 or melt\$4)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	ADJ	OFF	2009/03/12 09:07
S92	6084	"L14" and (weld\$4 or apparatus or torch\$2 or control\$3 or source\$2 or power\$2 or wire\$2 feeder\$2 or independen\$3 or process\$2 or cold metal or device\$2 or synchroni\$5 or MAG or MIG or WIG or plasma\$2 or laser\$2 oe electrode\$2 or separate\$4 or current\$2 or gas\$2 or direct\$4 or material\$2 or diameter\$2 or different\$2 or time\$2 or droplet\$2 or detach\$5 or melt\$4)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	ADJ	OFF	2009/03/12 09:08
S93	10	S90 and (weld\$4 or apparatus or torch\$2 or control\$3 or source\$2 or power\$2 or wire\$2 feeder\$2 or independen\$3 or process\$2 or cold metal or device\$2 or synchroni\$5 or MAG or MIG or WIG or plasma\$2 or laser\$2 oe electrode\$2 or separate\$4 or current\$2 or gas\$2 or direct\$4 or material\$2 or diameter\$2 or different\$2 or time\$2 or droplet\$2 or detach\$5 or melt\$4)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/12 09:35
S94	10	S90 and (weld\$4 or apparatus or torch\$2 or control\$3 or source\$2 or power\$2 or wire\$2 feeder\$2 or independen\$3 or process\$2 or cold metal or device\$2 or synchroni\$5 or MAG or MIG or WIG or plasma\$2 or laser\$2 or electrode\$2 or separate\$4 or current\$2 or gas\$2 or direct\$4 or material\$2 or diameter\$2 or different\$2 or time\$2 or droplet\$2 or detach\$5 or melt\$4)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/03/12 09:40
S95	10	S90 and (weld\$4 or apparatus or torch\$2 or control\$3 or source\$2 or power\$2 or wire\$2 feeder\$2 or independen\$3 or process\$2 or cold metal or device\$2 or synchroni\$5 or MAG or MIG or WIG or plasma\$2 or laser\$2 or electrode\$2 or separate\$4 or current\$2 or gas\$2 or direct\$4 or material\$2 or diameter\$2 or different\$2 or time\$2 or droplet\$2 or detach\$5 or melt\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/12 09:40
S96	10	S90 and (weld\$4 or apparatus or torch\$2 or control\$3 or source\$2 or power\$2 or wire\$2 feeder\$2 or independen\$3 or process\$2 or cold-metal or cold or device\$2 or synchroni\$5 or MAG or MIG or WIG or plasma\$2 or laser\$2 or electrode\$2 or separate\$4 or current\$2 or gas\$2 or direct\$4 or material\$2 or diameter\$2 or different\$2 or time\$2 or droplet\$2 or detach\$5 or melt\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/12 09:42

S97	1	("20070158322").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 19:18
S98	18	("4396823"   "4436982"   "4620082").PN. OR ("4806735").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/09 13:02
S99	8	S98 and alternat\$4 (power or current)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:04
S100	8	S98 and alternat\$4 (power or current or power source or source or energy or power suppl\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:08
S101	3	((("6,207,929") or ("6,111,216") or ("6,291,798") or ("6,111,216"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/09 13:13
S102	2	S101 and alternat\$4 (power or current or power source or source or energy or power suppl\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:14
S103	397382	power adj source and (suppl\$2 or energy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:16
S104	167030	("219").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/04/09 13:17
S105	12066	S103 and S104	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/09 13:18
S106	5142	S105 and (two electrodes or torch or weld\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/09 13:19
S107	1303	S106 and alternat\$4 (power or current or power source or source or energy or power suppl\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:19



S108	851	S107 and (weld\$3 apparatus or unit)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:21
S110	42	S108 and power with (two torch\$2 or two electrodes or two weld\$3)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 13:23
S114	1	S105 and power alternat\$3 (electrode)	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/09 14:45

4/10/2010 12:23:44 AM

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